

ATTACHMENT H – WQBEL CALCULATIONS

The water quality-based effluent limits developed for this Order are summarized below and were calculated as described in the methodology summarized in Attachment F, Fact Sheet Section IV.C.4 of this Order.

Pollutant	Human Health Calculations			Aquatic Life Calculations											Selected Limits	
	Human Health			Saltwater / Freshwater												
	AMEL = ECA = C hh	MDEL/AMEL multiplier	MDEL hh	ECA acute = C acute	ECA acute multiplier	LTA acute	ECA chronic = C chronic	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier 95	AMEL aquatic life	MDEL multiplier 99	MDEL aquatic life	AMEL	MDEL
	ug/L		ug/L	ug/L		ug/L	ug/L		ug/L	ug/L					ug/L	ug/L
	Antimony	14	2.01	28	--	--	--	--	--	--	--	--	--	--	--	14
Copper	1000	2.01	2006	15	0.32	4.8	10	0.53	5.3	4.8	1.55	7.5	3.11	15	7.5	15
Aluminum	200	2.01	401	750	0.32	241	87	0.53	46	46	1.55	71	3.11	140	71	140

Notes:

C = Water Quality Criteria

hh = human health

AMEL = Average monthly effluent limitation

MDEL = Maximum daily effluent limitation

ECA = Effluent concentration allowance

LTA = Long-term average concentration